

DUPONT -- SUVA 123; DU002798 - DICHLOROTRIFLUOROETHANE, TECHNICAL
MATERIAL SAFETY DATA SHEET
NSN: 6830013913106
Manufacturer's CAGE: 2S827
Part No. Indicator: A
Part Number/Trade Name: SUVA 123; DU002798

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General Information

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Item Name: DICHLOROTRIFLUOROETHANE, TECHNICAL
Company's Name: DUPONT
Company's Street: 1007 MARKET ST.
Company's City: WILMINGTON
Company's State: DE
Company's Country: US
Company's Zip Code: 19898
Company's Emerg Ph #: 800-441-3637 800-424-9300(CHEMTREC)
Company's Info Ph #: 800-441-9442
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SE
Date MSDS Prepared: 19MAY95
Safety Data Review Date: 21MAY96
Supply Item Manager: CX
MSDS Preparer's Name: ENGINRNG AND PROD SAFETY
Preparer's Company: DUPONT
Preparer's St Or P. O. Box: P. O. BOX 80709
Preparer's City: WILMINGTON
Preparer's State: DE
Preparer's Zip Code: 19880-0709
MSDS Serial Number: BYDGC
Specification Number: NONE
Spec Type, Grade, Class: NONE
Hazard Characteristic Code: N1
Unit Of Issue: DR
Unit Of Issue Container Qty: 100 LBS
Type Of Container: DISPOSBL DRUM
Net Unit Weight: 100 LBS

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Ingredients/Identity Information

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Proprietary: NO
Ingredient: 2, 2-DICHLORO- 1, 1, 1-TRIFLUOROETHANE (SARA 313)
Ingredient Sequence Number: 01
Percent: 100
NIOSH (RTECS) Number: KI1108000
CAS Number: 306-83-2
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: 30PPM/8 & 12 HR(TWA)

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Physical/Chemical Characteristics

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Appearance And Odor: LIQUID, CLEAR; COLORLESS; SLIGHT ETHER-LIKE ODOR.
Boiling Point: 81.7F, 27.6C
Vapor Pressure (MM Hg/70 F): 672
Vapor Density (Air=1): 5.3

Specific Gravity: 1.46
Decomposition Temperature: UNKNOWN
Evaporation Rate And Ref: <1 CCL4=1
Solubility In Water: SLIGHT; 0.39WT%@77F
Percent Volatiles By Volume: 100
pH: 7

Fire and Explosion Hazard Data

Flash Point: NONE
Extinguishing Media: **NON- FLAMMABLE AT STANDARD TEMP & PRESSURE** USE MEDIA APPROPRIATE FOR SURROUNDING MATERIAL.
Special Fire Fighting Proc: USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT. COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.
Unusual Fire And Expl Hazrds: FIRE CONDITIONS MAY EVOLVE TOXIC FUMES. CONTAINERS MAY BURST FROM HEAT OF FIRE.

Reactivity Data

Stability: YES
Cond To Avoid (Stability): HEAT ABOVE 126F/52C, SOURCES OF IGNITION.
Materials To Avoid: ALKALI OR ALKALINE EARTH METALS(POWDERED AL, BE, ZN).
Hazardous Decomp Products: HYDROCHLORIC AND HYDROFLUORIC ACIDS, CARBONYL HALIDES.
Hazardous Poly Occur: NO

Health Hazard Data

LD50- LC50 Mixture: ORAL LD50 (RAT) IS 9000MG/KG
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: EYES: MAY CAUSE MILD IRRITATION. SKIN: HMI S SUGGESTS MAY CAUSE DRYING. INGEST: UNLIKELY ROUTE OF EXPOSURE. INHAL: MAY CAUSE CARDIAC SENSITIZATION(ARRYTHMIA). THIS ITEM IS HEAVIER THAN AIR AND DISPLACES AVAILABLE BREATHING OXYGEN. DECOMPOSITION PRODUCTS ARE TOXIC.
Carcinogeni city - NTP: NO
Carcinogeni city - IARC: NO
Carcinogeni city - OSHA: NO
Explanation Carcinogeni city: THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP, IARC OR OSHA.
Signs/Symptoms Of Overexp: EYES: TEARING, BLURRED VISION. INHAL: ANESTHETIC EFFECT(DIZZINESS, HEADACHE, CONFUSION, INCOORDINATION, LOSS OF CONSCIOUSNESS). HIGHER EXPOSURES CAUSE ALTERATION OF THE HEART'S ELECTRICAL ACTIVITY(IRREGULAR PULSE, PALPITATION, INADEQUATE CIRCULATION).
Med Cond Aggravated By Exp: PERSONS WITH PRE- EXISTING CENTRAL NERVIOS SYSTEM OR CARDIOVASCULAR SYSTEM AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.
Emergency/First Aid Proc: SKIN: REMOVE CONTAMINATED CLOTHING; WASH WITH WATER. IF IRRITATION OCCURS, CALL PHYSICIAN. EYES: FLUSH WITH WATER FOR 15 MINUTES. CALL PHYSICIAN. INHAL: REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL UNLIKELY ROUTE OF EXPOSURE. GET PROMPT QUALIFIED MEDICAL ATTENTION.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: ELIMINATE SOURCES OF IGNITION. USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT. VENTILATE AREA. SOAK UP WITH A NON-

COMBUSTIBLE INERT ABSORBANT(CLAY, SAND); PLACE IN PROPER CONTAINER FOR DISPOSAL. **LC50 RAT IS 32, 000PPM/4HRS**

Neutralizing Agent: NOT APPLICABLE.

Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

Precautions- Handling/Storing: STORE BELOW 126F/52C IN A WELL- VENTILATED PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP AWAY FROM HEAT, SPARKS, FLAMES AND INCOMPATIBLE MATERIALS.

Other Precautions: AVOID SKIN AND EYE CONTACT. DO NOT INHALE VAPORS/MISTS.

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Control Measures
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Respiratory Protection: WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE EITHER A SELF- CONTAINED BREATHING APPARATUS OR A NIOSH/ MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS, DEPENDING ON THE AIRBORN CONCENTRATION.

Ventilation: LOCAL VENTILATION AT THE WORKSITE; MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL. VAPORS ACCUMULATE IN LOW AREAS.

Protective Gloves: IMPERVIOUS GLOVES.

Eye Protection: CHEMICAL SPLASH GOGGLES

Other Protective Equipment: PROTECTIVE CLOTHING, AS NEEDED. PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices: USE REASONABLE CARE IN HANDLING THIS PRODUCT. WASH HANDS AFTER USE AND BEFORE EATING.

Suppl. Safety & Health Data: NONE

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Transportation Data
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Trans Data Review Date: 96036

DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

IMD PSN Code: ZZZ

IMD Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

AFI PSN Code: ZZZ

AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

MMAC Code: NR

Additional Trans Data: ITEM NOT REGULATED PER MSDS.

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Disposal Data
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Label Data
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Label Required: YES

Technical Review Date: 05FEB96

MFR Label Number: UNKNOWN

Label Status: F

Common Name: SUVA 123; DU002798

Signal Word: CAUTION!

Acute Health Hazard- Slight: X

Contact Hazard- Slight: X

Fire Hazard- None: X

Reactivity Hazard- Slight: X

Special Hazard Precautions: EYES: MAY CAUSE MILD IRRITATION. SKIN: HMI S

SUGGESTS MAY CAUSE DRYING. INGEST: UNLIKELY ROUTE OF EXPOSURE. INHAL: MAY CAUSE

CARDIAC SENSITIZATION(ARRYTHMIA). THIS ITEM IS HEAVIER THAN AIR AND DISPLACES AVAILABLE BREATHING OXYGEN. DECOMPOSITION PRODUCTS ARE TOXIC. FIRST AID: SKIN: REMOVE CONTAMINATED CLOTHING; WASH WITH WATER. IF IRRITATION OCCURS, CALL PHYSICIAN. EYES: FLUSH WITH WATER FOR 15 MINUTES. CALL PHYSICIAN. INHAL: REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. IF BREATHING IS DIFFICULT, CALL PHYSICIAN. INGEST: UNLIKELY ROUTE OF EXPOSURE. GET PROMPT QUALIFIED MEDICAL ATTENTION.

Protect Eye: Y

Protect Skin: Y

Label Name: DUPONT

Label Street: 1007 MARKET ST.

Label City: WILMINGTON

Label State: DE

Label Zip Code: 19898

Label Country: US

Label Emergency Number: 800- 441- 3637 800- 424- 9300(CHEMTREC)

Year Procured: 1995